

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/540,494
Source: PCP/10
Date Processed by STIC: 7/11/05

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/540,494

DATE: 07/11/2005

TIME: 15:08:42

Input Set : A:\63628 Sequence Listing.txt
 Output Set: N:\CRF4\07112005\J540494.raw

3 <110> APPLICANT: Takeda Pharmaceutical Company Limited
 5 <120> TITLE OF INVENTION: Metastin Derivatives And Its Use
 7 <130> FILE REFERENCE: G05-0018
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/540,494
 C--> 9 <141> CURRENT FILING DATE: 2005-06-23
 9 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/016978
 10 <151> PRIOR FILING DATE: 2003-12-26
 12 <150> PRIOR APPLICATION NUMBER: JP 2002-377179
 13 <151> PRIOR FILING DATE: 2002-12-26
 15 <160> NUMBER OF SEQ ID NOS: 22
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 54
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Homo sapiens
 22 <400> SEQUENCE: 1
 23 Gly Thr Ser Leu Ser Pro Pro Pro Glu Ser Ser Gly Ser Arg Gln Gln
 24 1 5 10 15
 25 Pro Gly Leu Ser Ala Pro His Ser Arg Gln Ile Pro Ala Pro Gln Gly
 26 20 25 30
 27 Ala Val Leu Val Gln Arg Glu Lys Asp Leu Pro Asn Tyr Asn Trp Asn
 28 35 40 45
 29 Ser Phe Gly Leu Arg Phe
 30 50
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 162
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 2
 38 ggtacttctc tgtctccgccc gcccgaatct tctggttctc gtcagcagcc gggctctgtct 60
 39 gctccgcact ctcgtcagat cccggctccg cagggtgctg ttctggttca gcgtaaaaaa 120
 40 gacctgccga actacaactg gaactctttc ggtctcggtt tc 162
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 152
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Mus musculus
 47 <400> SEQUENCE: 3
 48 Met Tyr Leu Arg Phe Gly Val Asp Val Cys Ser Leu Ser Pro Trp Lys
 49 5 10 15
 50 Glu Thr Val Asp Leu Pro Leu Pro Pro Arg Met Ile Ser Met Ala Ser
 51 20 25 30
 52 Trp Gln Leu Leu Leu Leu Cys Val Ala Thr Tyr Gly Glu Pro Leu
 53 35 40 45
 54 Ala Lys Val Ala Pro Gly Ser Thr Gly Gln Gln Ser Gly Pro Gln Glu

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55 50 55 60
 56 Leu Val Asn Ala Trp Glu Lys Glu Ser Arg Tyr Ala Glu Ser Lys Pro
 57 65 70 75 80
 58 Gly Ser Ala Gly Leu Arg Ala Arg Arg Ser Ser Pro Cys Pro Pro Val
 59 85 90 95
 60 Glu Gly Pro Ala Gly Arg Gln Arg Pro Leu Cys Ala Ser Arg Ser Arg
 61 100 105 110
 62 Leu Ile Pro Ala Pro Arg Gly Ala Val Leu Val Gln Arg Glu Lys Asp
 63 115 120 125
 64 Leu Ser Thr Tyr Asn Trp Asn Ser Phe Gly Leu Arg Tyr Gly Arg Arg
 65 130 135 140
 66 Gln Ala Ala Arg Ala Ala Arg Gly
 67 145 150
 69 <210> SEQ ID NO: 4
 70 <211> LENGTH: 456
 71 <212> TYPE: DNA
 72 <213> ORGANISM: Mus musculus
 74 <400> SEQUENCE: 4
 75 atgtatctga gatttggcgt ttagtgcgtc agcctgagtc cctggaaagga gactgttagac 60
 76 ctggcccttc ctccccagaat gatctcaatg gcttcttggc agctgctgct ttcctctgt 120
 77 gtgcgccaccc atggggagcc gctggcaaaa gtgaagcctg gatccacagg ccagcagtcc 180
 78 ggacccccagg aactcgtaa tgcctggaa aaggaatcgc ggtatgcaga gagcaagcct 240
 79 gggctctgcag ggctgcgcgc tcgttaggtcg tcgcctatgcc cgccgggttga gggcccccgc 300
 80 gggcgccagc ggccctgtg tgccctccgc agtcgcctgat cccctgcgcc ccgcggagcg 360
 81 gtgctgggtgc agcgggagaa ggacctgtcc acctacaact ggaactcctt cggcctgcgc 420
 82 tacggcagga ggcaggccgc gcggggcagca cggggc 456
 84 <210> SEQ ID NO: 5
 85 <211> LENGTH: 156
 86 <212> TYPE: PRT
 87 <213> ORGANISM: Mus musculus
 89 <400> SEQUENCE: 5
 90 Met Tyr Leu Arg Phe Gly Val Asp Val Cys Ser Leu Ser Pro Trp Lys
 91 5 10 15
 92 Glu Thr Val Asp Leu Pro Leu Pro Pro Arg Met Ile Ser Met Ala Ser
 93 20 25 30
 94 Trp Gln Leu Leu Leu Leu Cys Val Ala Thr Tyr Gly Glu Pro Leu
 95 35 40 45
 96 Ala Lys Val Ala Pro Leu Val Lys Pro Gly Ser Thr Gly Gln Gln Ser
 97 50 55 60
 98 Gly Pro Gln Glu Leu Val Asn Ala Trp Glu Lys Glu Ser Arg Tyr Ala
 99 65 70 75 80
 100 Glu Ser Lys Pro Gly Ser Ala Gly Leu Arg Ala Arg Arg Ser Ser Pro
 101 85 90 95
 102 Cys Pro Pro Val Glu Gly Pro Ala Gly Arg Gln Arg Pro Leu Cys Ala
 103 100 105 110
 104 Ser Arg Ser Arg Leu Ile Pro Ala Pro Arg Gly Ala Val Leu Val Gln
 105 115 120 125
 106 Arg Glu Lys Asp Leu Ser Thr Tyr Asn Trp Asn Ser Phe Gly Leu Arg
 107 130 135 140

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108 Tyr Gly Arg Arg Gln Ala Ala Arg Ala Ala Arg Gly
109 145 150 155
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 468
113 <212> TYPE: DNA
114 <213> ORGANISM: Mus musculus
116 <400> SEQUENCE: 6
117 atgtatctga gatttggcgt tgatgtctgc agcctgagtc cctggaagga gactgttagac 60
118 ctgccccttc ctcccagaat gatctcaatg gcttcttggc agctgctgtctgt 120
119 gtcgccacccat atggggagcc gctggcaaaa gtggcacctt tggtaagcc tggatccaca 180
120 ggccagcagt ccggacccca ggaactcggtt aatgcccggg aaaaggaatc gcggtatgca 240
121 gagagcaagc ctgggtctgc agggctgcgc gctcgtaggt cgtcgcctatg cccgcgggtt 300
122 gaggggcccg cggggcgcca gcgccccctg tgcctccc gcagtcgcct gatccctgcg 360
123 ccccgccgag cggtgctggc gcaagcgggag aaggacctgt ccacctacaa ctggaaactcc 420
124 ttcggcctgc gctacggcag gaggcaggcg gcgccggcag cacggggc 468
126 <210> SEQ ID NO: 7
127 <211> LENGTH: 130
128 <212> TYPE: PRT
129 <213> ORGANISM: Rattus sp.
131 <400> SEQUENCE: 7
132 Met Thr Ser Leu Ala Ser Trp Gln Leu Leu Leu Leu Cys Val Ala
133 5 10 15
134 Ser Phe Gly Glu Pro Leu Ala Lys Met Ala Pro Val Val Asn Pro Glu
135 20 25 30
136 Pro Thr Gly Gln Gln Ser Gly Pro Gln Glu Leu Val Asn Ala Trp Gln
137 35 40 45
138 Lys Gly Pro Arg Tyr Ala Glu Ser Lys Pro Gly Ala Ala Gly Leu Arg
139 50 55 60
140 Ala Arg Arg Thr Ser Pro Cys Pro Pro Val Glu Asn Pro Thr Gly His
141 65 70 75 80
142 Gln Arg Pro Pro Cys Ala Thr Arg Ser Arg Leu Ile Pro Ala Pro Arg
143 85 90 95
144 Gly Ser Val Leu Val Gln Arg Glu Lys Asp Met Ser Ala Tyr Asn Trp
145 100 105 110
146 Asn Ser Phe Gly Leu Arg Tyr Gly Arg Arg Gln Val Ala Arg Ala Ala
147 115 120 125
148 Arg Gly
149 130
151 <210> SEQ ID NO: 8
152 <211> LENGTH: 390
153 <212> TYPE: DNA
154 <213> ORGANISM: Rattus sp.
156 <400> SEQUENCE: 8
157 atgacacctcg tggcttcttg gcagctgctg cttctccctt gtgtggcctc ttttggggag 60
158 ccactggcaa aaatggcacc tgggttggaa cctgaacccca caggccaaaca gtcggaccc 120
159 caggaactcg ttaatgcctg gcaaaagggc ccgcggatcg cagagagcaa gcctggggct 180
160 gcaggactgc gcgctcgcccg aacatcgcca tgcggcccg tggagaaccc cacggggcac 240
161 cagcggccccc cgtgtgccac ccgcagtcgc ctgatccctg cgcccccggg atcgggtgctg 300
162 gtgcagcgcg agaaggacat gtcagcctac aactggaaact ctttggcct gcgctacggc 360

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163 aggaggcagg tggcgcgggc ggcacggggc 390
 165 <210> SEQ ID NO: 9
 166 <211> LENGTH: 398
 167 <212> TYPE: PRT
 168 <213> ORGANISM: Homo sapiens
 170 <400> SEQUENCE: 9
 171 Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro
 172 5 10 15
 173 Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
 174 20 25 30
 175 Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
 176 35 40 45
 177 Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
 178 50 55 60
 179 Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
 180 65 70 75 80
 181 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
 182 85 90 95
 183 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp
 184 100 105 110
 185 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
 186 115 120 125
 187 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
 188 130 135 140
 189 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
 190 145 150 155 160
 191 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
 192 165 170 175
 193 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser
 194 180 185 190
 195 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
 196 195 200 205
 197 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
 198 210 215 220
 199 Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro
 200 225 230 235 240
 201 Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala
 202 245 250 255
 203 Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
 204 260 265 270
 205 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
 206 275 280 285
 207 Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu
 208 290 295 300
 209 Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
 210 305 310 315 320
 211 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg
 212 325 330 335
 213 Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Pro Gly

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214 340 345 350
 215 Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu His Arg Leu Gly Ser
 216 355 360 365
 217 His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala
 218 370 375 380
 219 Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu
 220 385 390 395
 222 <210> SEQ ID NO: 10
 223 <211> LENGTH: 1194
 224 <212> TYPE: DNA
 225 <213> ORGANISM: Homo sapiens
 227 <400> SEQUENCE: 10
 228 atgcacaccc tggctacgtc cggacccaaac gcgtcctggg gggcacccggc caacgcctcc 60
 229 ggctgcccgg gctgtggcgc caacgcctcg gacggcccaag tcccttcgccc gcggggccgtg 120
 230 gacgcctggc tcgtgcccgtc ttcttcgcgc ggcgtgatgc tgctgggcct ggtggggaaac 180
 231 tcgctgtca tctacgtcat ctgcccac aagccgatgc ggaccgtgac caacttctac 240
 232 atcgccaacc tggcgccac ggacgtgacc ttccctcctgt gctgcgtccc cttcacggcc 300
 233 ctgctgtacc cgctgcccgg ctgggtgctg ggcgacttca tgtcaagtt cgtcaactac 360
 234 atccagcagg tctcggtgca ggccacgtgt gccactctga cgcgcattgag tgtggaccgc 420
 235 tggtaacgtga cggtgttccc gttgcgcgcc ctgcaccggc gcacgcggcc cctggcgctg 480
 236 gctgtcagcc tcagcatctg ggtaggctt gccggcggtgt ctgcgcgggt gctgcgcctg 540
 237 caccgcctgt caccggggcc ggcgcgcctac tgcagtgagg cttcccccag cgcgcgcctg 600
 238 gagcgcgcct tcgcactgtc caacctgtc ggcgtgtacc tgctgcgcgt gctgcgcacc 660
 239 tgccgcctgt atgcggccat gtcgcgcac ctggggccggg tgcgcgtgcgc cccgcgcgcc 720
 240 gccgatagcg ccctgcaggc gcaggtgctg gcagagcgcg caggcgcgt gcgggccaag 780
 241 gtctcgccgc tggtaacgtgc cgtggccgtc ctcttcgcgc cctgctgggg cccatccag 840
 242 ctgttcctgg tgctgcaggc gtcggccccc gcgggctct ggcacccacg cagctacgcc 900
 243 gcctacgcgc ttaagacactg ggctcaactgc atgtcctaca gcaactcgc gctgaacccg 960
 244 ctgctctacg cttcctggg ctgcacttc cgacaggcct tccgcgcgt ctgcgcctgc 1020
 245 ggcgcgcgc gccccggccg ccccccggc cccggaccct cggaccgcgc agccccacac 1080
 246 gcccggactgc accgcctggg gtcggccccc gccccggca gggcgcagaa gccaggggagc 1140
 247 agtgggctgg cccgcgcgg gctgtgcgtc ctgggggagg acaacgcggc ttc 1194
 249 <210> SEQ ID NO: 11
 250 <211> LENGTH: 396
 251 <212> TYPE: PRT
 252 <213> ORGANISM: Rattus sp.
 254 <400> SEQUENCE: 11
 255 Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro
 256 5 10 15
 257 Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly
 258 20 25 30
 259 Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
 260 35 40 45
 261 Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
 262 50 55 60
 263 Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
 264 65 70 75 80
 265 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
 266 85 90 95

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/11/2005
PATENT APPLICATION: US/10/540,494 TIME: 15:08:43

Input Set : A:\63628 Sequence Listing.txt
Output Set: N:\CRF4\07112005\J540494.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:15,16,17,18

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/540,494

DATE: 07/11/2005

TIME: 15:08:43

Input Set : A:\63628 Sequence Listing.txt

Output Set: N:\CRF4\07112005\J540494.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date